

## Phụ lục 5: Danh sách ấn phẩm và tiền ấn phẩm 2012 – 11/2015

### DANH SÁCH ẤN PHẨM

#### NĂM 2012

1. **Huynh Thi Thanh Binh, Ha Minh Long and Tran Duc Khanh**, *Recombination Operators in Genetic Algorithm – Based Crawler: Study and Experimental Appraisal*, *Advanced Methods for Computational Collective Intelligence*, 457(2013), 239-248, Preprint ViAsM1210.
2. **Huynh Thi Thanh Binh, Pham Quang Dung and Pham Duy Dat**, *Genetic algorithm for solving the master thesis timetabling problem with multiple objectives*, In the Proceedings of the 17<sup>th</sup> Conference on Technologies and Applications of Artificial Intelligence - TAAI 2012, Tainan, Taiwan, pp.74-79 (to appear), Preprint ViAsM1220.
3. **Lam T. Bui and Viet Hoang**, *A Multi-Objective Approach for Master's Thesis > Committees Scheduling Using DMEA*, *Series Lecture Notes in Computer Science*, 7673(2012), 450-459.
4. **L. X. Dung and L. T. Hoa**, *Castelnuovo-Mumford regularity of associated graded modules and fiber cones of filtered modules*, *Comm. Algebra*, 40 (2012), 404-422.
5. **L. T. Hoa and M. Morales**, *Non-linear behaviour of Castelnuovo-Mumford regularity*, *J. Algebra*, 356 (2012), 207-215.
6. **P. Q. Khanh and L.T. Tung**, *Local Uniqueness of Solutions to Ky Fan Vector Inequalities using Approximations as Derivatives*, *J. Optim Theory Appl*, 155(2012), 840-854 (Preprint ViAsM1205).
7. **Phan Quoc Khanh and Nguyen Dinh Tuan**, *Second-order optimality conditions with the envelope-like effect for nonsmooth vector optimization in infinite dimensions*, *Nonlinear Analysis*, 77 (2013), 130–148 (Preprint ViAsM1202).
8. **Nguyen Thi Bach Kim, Nguyen Canh Nam and Le Quang Thuy**, *An Outcome Space Algorithm for Minimizing the Product of Two Convex Functions over a Convex Set*, *Journal of Industrial and Management Optimization*, 1(2013), 243-253 (Preprint ViAsM1213).
9. **G. M. Lee, N. N. Tam and N. D. Yen**, *Stability of linear-quadratic minimization over Euclidean balls*, *SIAM J. Optim*, 22(3), 936–952 (Preprint ViAsM1206).
10. **Pham Vu Long, Nguyen Ngoc Dat, Nguyen Sy Thai Ha and Huynh Thi Thanh Binh**, *Heuristic Algorithms for Solving Survivable Network Design Problem with Simultaneous Unicast and Anycast Flows*, *LNCS*, China, July, 2012, 137-145.

11. **Long Nguyen and Lam Thu Bui**, *A Decomposition-Based Interactive Method for Multi-Objective Evolutionary Algorithm*, *Journal of Development and Application on Information and Communication Technology*, Volume E-2, No.5 (9), pp 17-24, 2012 (to appear)
12. **Loan T. T. Nguyen, Bay Vo, Tzung-Pei Hong and Hoang Chi Thanh**, *CAR-Miner: An Efficient Algorithm for Mining Class-Association Rules*, *Expert Systems with Applications*.
13. **Nguyen Duy Tan**, *On the essential dimension of unipotent algebraic groups*, *Journal of Pure and Applied Algebra* (to appear).
14. **Chi Cuong Vu, Lam Thu Bui and Hussein A. Abbass**, *DEAL: A Direction-Guided Evolutionary Algorithm*, *Series Lecture Notes in Computer Science*, 7673(2012), 148-157.

### NĂM 2013

1. **Ta Thi Hoai An and Nguyen Thi Ngoc Diep**, *Genus one factors of curves defined by separated variable polynomials*, *Journal of Number Theory*, 133 (2013), 2616–2634 (Preprint ViAsM13.01).
2. **Huynh Thi Thanh Binh, Ha Minh Long and Tran Duc Khanh**, *Recombination Operators in Genetic Algorithm – Based Crawler: Study and Experimental Appraisal*, *Advanced Methods for Computational Collective Intelligence*, 457 (2013), 239-248 (Preprint ViAsM12.10).
3. **Christophe Crespelle, Eric Thierry and Thomas Lambert**, *A linear-time algorithm for computing the prime decomposition of a directed graph with regard to the cartesian product*, *Computing and Combinatorics Lecture Notes in Computer Science*, 7936 (2013), 469-480.
4. **The Dung Luong and Dang Hung Tran**, *A New Method of Privacy Preserving Computation over 2-Part Fully Distributed Data*, *Advances in Intelligent Systems and Computing*, 209 (2013), 115-123.
5. **Phan Quoc Khanh and Nguyen Dinh Tuan**, *Second-order optimality conditions will the envelope-like effect in nonsmooth multiobjective mathematical programming I:  $l$  – stability and set-valued directional derivatives*, *Journal of Mathematical Analysis and Applications*, 403 (2013), 695-702 (Preprint ViAsM12.02).
6. **Phan Quoc Khanh and Nguyen Dinh Tuan**, *Second-order optimality conditions with the envelope-like effect in nonsmooth multiobjective mathematical programming II: Optimality conditions*, *Journal of Mathematical Analysis and Applications*, 403 (2013), 703-714.
7. **Phan Quoc Khanh and Nguyen Dinh Tuan**, *Second-order optimality conditions with the envelope-like effect for nonsmooth vector optimization in infinite dimensions*, *Nonlinear Analysis*, 77 (2013), 130–148 (Preprint ViAsM12.04).

8. **Phan Quoc Khanh, Le Minh Luu and Tran Trinh Minh Son**, *Well-posedness of a parametric traffic network problem*, *Nonlinear Analysis: Real World Applications*, 14 (2013), 1643–1654 (Preprint ViAsM12.03).
9. **Nguyen Thi Bach Kim, Nguyen Canh Nam and Le Quang Thuy**, *An Outcome Space Algorithm for Minimizing the Product of Two Convex Functions over a Convex Set*, *Journal of Industrial and Management Optimization*, 1 (2013), 243-253 (Preprint ViAsM12.13).
10. **G. M. Lee, N. N. Tam and N. D. Yen**, *Stability of linear-quadratic minimization over Euclidean balls*, *SIAM J. Optim*, 22 (3), 2012, 936–952 (Preprint ViAsM12.06).
11. **Chenlei Leng, Minh-Ngoc Tran and David Nott**, *Bayesian Adaptive Lasso*, *Annals of The Institute of Statistical Mathematics* (to appear) (Preprint ViAsM13.04).
12. **Loan T.T. Nguyen, Bay Vo, Tzung-Pei Hong and Hoang Chi Thanh**, *CAR-Miner: An Efficient Algorithm for Mining Class-Association Rules*, *Expert Systems with Applications*, 40 (6), 2013, 2305–2311.
13. **Dinh The Luc and Antoine Soubeyran**, *Variable preference relations: Existence of maximal elements*, *Journal of Mathematical Economics*, 49 (4), 2013, 251–262 (Preprint ViAsM13.20).
14. **Nam Q. Le and Ovidiu Savin**, *On boundary Hölder gradient estimates for solutions to the linearized Monge-Ampère equations*, *Proceedings of the American Mathematical Society* (to appear) (Preprint ViAsM13.38).
15. **Minh-Ngoc Tran, Paolo Giordani, Xiuyan Mun, Robert Kohn, Michael K. Pitt**, *Copula-type Estimators for Flexible Multivariate Density Modeling using Mixtures*, *Journal of Computational and Graphical Statistics* (to appear).
16. **Pham Hung Quy**, *On the uniform bound of the index of reducibility of parameter ideals of a module whose polynomial type is at most one*, *Arch. Math. (Basel)* (to appear) (Preprint ViAsM12.28).
17. **Nguyen Duy Tan**, *On the essential dimension of unipotent algebraic groups*, *Journal of Pure and Applied Algebra*, 217 (3), 2013, 432–448.
18. **Hà Huy Vui**, *Global Hölderian Error Bound for Nondegenerate Polynomials*, *SIAM J. Optim*, 23 (2013), 917–933.
19. **Ha Huy Vui, Dinh Si Tiep, Pham Tien Son and Nguyen Thi Thao**, *Global Lojasiewicz-type inequality for non-degenerate polynomial maps*, *Journal of Mathematical Analysis and Applications* (to appear) (Preprint ViAsM12.26).

## NĂM 2014

1. **Ta Thi Hoai An, William Cherry and Julie Tzu-Yueh Wang**, *Supplement and Erratum to “Algebraic degeneracy of non-Archimedean analytic maps”*, Indag. Math. (N.S.), 19 (2008), 481–492.
2. **P. N. Anh and L. D. Muu**, *A hybrid subgradient algorithm for nonexpansive mappings and equilibrium problems*, February 2014, Volume 8, Issue 2, 727–738 (Preprint ViAsM12.31).
3. **Cung The Anh**, *Global attractor for a semilinear strongly degenerate parabolic equation on  $R^N$* , Nonlinear Differential Equations and Applications NoDEA, October 2014, Volume 21, Issue 5, 561–580 (Preprint ViAsM13.43).
4. **N. L. H. Anh and P. Q. Khanh**, *Variational Sets of Perturbation Maps and Applications to Sensitivity Analysis for Constrained Vector Optimization*, J. Optimization Theory Applications, August 2013, Vol. 158, Issue2, 363-384 (Preprint ViAsM12.01).
5. **Dao Phuong Bac and Nguyen Quoc Thang**, *On the topology on group cohomology of algebraic groups over complete valued fields*, Journal of Algebra, Volume 399, 1 February 2014, 561–580 (Preprint ViAsM12.24).
6. **Dao Phuong Bac and Nguyen Quoc Thang**, *On the topology of relative and geometric orbits for actions of algebraic groups over complete fields*, Journal of Algebra, Volume 390, September 2014, 181– 198 (Preprint ViAsM12.23)
7. **Ha Huy Bang and Vu Nhat Huy**, *Estimate the sequence of norm of primitives of functions in orlicz spaces through their spectrum*, Tokyo Journal Of Mathematics (SCIE) (to appear) (Preprint ViAsM14.08)
8. **Phan Hoang Chon and Le Minh Ha**, *On May spectral sequence and the algebraic transfer II*, Topology and its Applications, Volume 178, 1 December 2014, 372–383 (Preprint ViAsM12.35).
9. **Doan Trung Cuong**, *Fibers of flat morphisms and Weierstrass preparation theorem*, Journal of Algebra, Volume 411, 1 August 2014, 337–355 (Preprint ViAsM13.07).
10. **Doan Trung Cuong**, *Local rings with zero-dimensional formal fibers*, Journal of Algebra, Volume 403, 1 February 2014, 77–92 (Preprint ViAsM13.30).
11. **Gerd Dethloff and Pham Hoang Ha**, *Ramification of the Gauss map of complete minimal surfaces in  $\mathbb{R}^3$  and  $\mathbb{R}^4$  on annular ends*, Annales de la faculté des sciences de Toulouse Sér. 6, 23 no. 4 (2014), p. 829-846, doi: 10.5802/afst.1426 (Preprint ViAsM13.18).
12. **H. T. H. Diem, P. Q. Khanh and L. T. Tung**, *On Higher-Order Sensitivity Analysis in Nonsmooth Vector Optimization*, Journal of Optimization Theory and Applications, August 2014, Volume 162, Issue 2, 463–488 (Preprint ViAsM13.14).
13. **Nguyen Thac Dung and Keomkyo Seo**, *Vanishing theorems for  $L^2$  harmonic 1-forms on complete submanifolds in a Riemannian manifold*, Journal

- of Mathematical Analysis and Applications, Available online 31 October 2014 (Preprint ViAsM14.29).
14. **Mau Hai Le, Quang Dieu Nguyen and Xuan Hong Nguyen**, *Existence and compactness for the  $\partial$ -Neumann operator on  $q$ -Convex domains*, Manuscripta Mathematica, February 2014 (Preprint ViAsM13.02).
  15. **Tran Ngoc Ha, Do Duc Dong and Hoang Xuan Huan**, *A Novel Ant Based Algorithm for Multiple Graph Alignment*, The 2014 International Conference on Advanced Technologies for Communications (ATC 2014) (to appear) (Preprints ViAsM14.09).
  16. **Nguyen Dang Ho Hai**, *Division of the Dickson algebra by the Steinberg unstable module*, Comptes Rendus Mathematique, June 2013, Volume 351, Issues 11–12, 425–428 (Preprint ViAsM12.38).
  17. **Xuan Huan Hoang, The Hung Nguyen, T. Thu Ha Doan and T. Anh Tuyet Duong**, *An Efficient Ant Colony Algorithm for DNA Motif Finding*, Knowledge and Systems Engineering, Advances in Intelligent Systems and Computing Volume 326, 2015, 589–601 (Preprint ViAsM14.06).
  18. **Nguyen Van Huan, Nguyen Van Quang and Nguyen Tran Thuan**, *Baum–Katz Type Theorems For Coordinatewise Negatively Associated Random Vectors In Hilbert Spaces*, Acta Mathematica Hungarica, October 2014, Volume 144, Issue 1, 132–149 (Preprint ViAsM13.30).
  19. **Tran Vu Khanh**, *Lower bound for the geometric type from a generalized estimate in the  $\mathbb{S}^n$ -Neumann problem - A new approach by peak functions*, Michigan Math. J, Volume 63, Issue 1 (2014), 209–212 (Preprint ViAsM12.34).
  20. **Phan Quoc Khanh and Dinh Ngoc Quy**, *Versions of Ekeland’s variational principle involving set perturbations*, J. Global Optimization, November 2013, Vol. 57, Issue 3, 951–968 (Preprints ViAsM13.16).
  21. **Vu The Khoi**, *Seifert volumes and dilogarithm identities*, J. Knot Theory Ramifications, Volume 23, Issue 05 (2014).
  22. **Vu The Khoi**, *The Dijkgraaf-Witten invariants of circle bundles*, Vietnam Journal of Mathematics. (to appear)
  23. **B. T. Kien and V. H. Nhu**, *Second-Order Necessary Optimality Conditions for a Class of Semilinear Elliptic Optimal Control Problems with Mixed Pointwise Constraints*, SIAM J. Control Optim, Vol. 52, No. 2, 1166–1202 (Preprint ViAsM12.15).
  24. **Nguyen Ky Nam and Alope Dey**, *A Catalog of Orthogonally Blocked 3-Level Second-Order Designs with Run Sizes  $\leq 100$* , Journal of Statistical Theory and Practice.
  25. **P. T. Nam, P. N. Pathirana, H. Trinh**,  *$\epsilon$ -bounded state estimation for time-delay systems with bounded disturbances*, International Journal of Control, Volume 87, Issue 9, 2014, 1747–1756.

26. **Phan Thanh Nam, Pubudu Nishantha Pathirana, Hieu Trinh**, *Convergence within a polyhedron: controller design for time-delay systems with bounded disturbances*, IET Control Theory & Applications, 10 pp, DOI: 10.1049/iet-cta.2014.0628 , Print ISSN 1751-8644, Online ISSN 1751-8652.
27. **Ngo Thi Ngoan and Nguyen Quoc Thang**, *On some Hasse principles for algebraic groups over global fields*, Proc. Japan Acad. Ser. A Math. Sci, Volume 90, Number 5 (2014), 73–78 (Preprint ViAsM14.31).
28. **Ngo Thi Ngoan and Nguyen Quoc Thang**, *On some Hasse principles for algebraic groups over global fields.II.*, Proc. Japan Acad. Ser. A Math. Sci, Volume 90, Number 8 (2014), 107–112 (Preprint ViAsM14.32).
29. **Le Thanh Nhan and Pham Hung Quy**, *A Class of Linear Generalized Equations*, Journal of Algebra, Volume 420, December 2014, 475–485 (Preprint ViAsM13.40).
30. **Phan Dinh Phung, Le Xuan Truong**, *On fractional differential inclusion with integral boundary conditions in Banach space*, Fractional Calculus and Applied Analysis, September 2013, Volume 16, Issue 3, 538–558 (Preprint ViAsM12.37).
31. **Si Duc Quang and Le Ngoc Quynh**, *Two meromorphic mappings sharing  $2n + 2$  hyperplanes regardless of multiplicity*, Journal of Mathematical Analysis and Applications, Volume 410, Issue 2, 15 February 2014, Pages 771–782 (Preprints ViAsM13.06).
32. **Si Duc Quang**, *Some extensions of the four values theorem of Nevanlinna-Gundersen*, Kodai Math. J., Volume 36, Number 3 (2013), 579-595 (Preprints ViAsM13.19).
33. **Si Duc Quang**, *Finiteness problem of meromorphic functions sharing four small functions regardless of multiplicities*, Internat J. Math., Vol. 25, No. 11 (2014) 1450102 (20 pages) DOI: 10.1142/S0129167X1450102X (Preprints ViAsM14.36).
34. **Nguyen Van Quang and Pham Tri Nguyen**, *Some strong laws of large number for double array of random upper semicontinuous functions in convex combination spaces*, Statistics & Probability Letters, Volume 96, January 2015, Pages 85–94 (Preprints ViAsM14.21).
35. **Nguyen Thanh Qui and Nguyen Dong Yen**, *Global Lojasiewicz-type inequality for non-degenerate polynomial maps*, SIAM J. Optim, 24(1), 210–231 (Preprint ViAsM12.09).
36. **Andrew Rosalsky, Le Van Thanh, Nguyen Thi Thuy**, *On the Laws of Large Numbers for Double Arrays of Independent Random Elements in Banach Spaces*, Acta Mathematica Sinica, English Series, August 2014, Volume 30, Issue 8, 1353–1364 (Preprint ViAsM13.46).
37. **Nguyen Duy Tan**, *Embedding problems with local conditions and the admissibility of finite groups*, Israel Journal of Mathematics, November 2013, Volume 198, Issue 1, 229–242.

38. **Nguyen Quoc Thang and Dao Phuong Bac**, *Some topics in geometric invariant theory over non-algebraically closed fields*, Handbook of Group Actions, vol. II, Inter. Press. 2014, 451–477, ISBN-978-7-04-041389-2, (Preprint ViAsM14.30).
39. **Nguyen Quoc Thang**, *On Galois cohomology of semisimple groups over local and global fields of positive characteristic*, III, Mathematische Zeitschrift, December 2013, Volume 275, Issue 3–4, 1287–1315.
40. **Mai Viet Thuan, Le Van Hien and Vu Ngoc Phat**, *Exponential stabilization of non-autonomous delayed neural networks via Riccati equations*, Applied Mathematics and Computation, Volume 246, 1 November 2014, 533–545 (Preprint ViAsM12.32).
41. **Ha Huy Vui, Dinh Si Tiep and Pham Tien Son**, *A frank-wolfe type theorem and Holder-type global error bound for generic polynomial systems*, Mathematical Programming, October 2014, Volume 147, Issue 1-2, 519-538 (Preprint ViAsM12.27).

## NĂM 2015

1. **Nguyen Sum and Nguyen Khac Tin**, *Some results on the fifth Singer transfer*, East-West Journal of Mathematics, Vol. 17, No. 1 (2015), 70-84, . Preprints ViAsM15.36.
2. **Ali Moussaoui, Nguyen Ngoc Doanh and Pierre Auger**, *Analysis of a model describing stage-structured population dynamics using hawk-dove tactics*, ARIMA Journal, vol. 20(2015), pp. 127-143,
3. **Pham Hoang Ha and Nguyen Van Trao**, *Non-integrated defect relations for the gauss maps of complete minimal surfaces with finite total curvature*, Journal of Mathematical Analysis and Applications. 430 (2015), pp 76-84, . Preprints ViAsM14.54.
4. **Phung Van Manh**, *On configurations of points on the sphere and applications to approximation of holomorphic functions by lagrange interpolants*, Computational Methods and Function Theory, Volume 15, September 2015, Issue 3, pp 403-425, . Preprints ViAsM15.03.
5. **Hai Mau Le, Hong Xuan Nguyen and Hung Viet Vu**, *Some characterizations of the class  $Em(\Omega)$  and applications*, Ann. Polon. Math. 115 (2015), pp 145-163, . Preprints ViAsM13.21.
6. **Dinh Dũng and Bằng Công Vũ**, *A Splitting algorithm for system of composite monotone inclusions*, Vietnam Journal of Mathematics, June 2015, Volume 43, Issue 2, pp 323-341, . Preprints ViAsM14.05.
7. **Dinh Dũng and Tino Ullrich**, *Lower bounds for the integration error for multivariate functions with mixed smoothness and optimal Fibonacci cubature for functions on the square*, Mathematische Nachrichten, Volume 288, Issue 7, May 2015, pp 743–762, . Preprints ViAsM14.01.

8. **Ha Huy Bang and Vu Nhat Huy**, *A new Bohr-Nikol'skill inequality*, Integral Transforms and Special Functions, 27 (2016), No. 1, 55–63, . Preprints ViAsM14.12.
9. **Le A. Tuan and Vu N. Phat**, *Finite-time stability and  $H_\infty$  control of linear discrete-time delay systems with norm-bounded disturbances*, Acta Math Vietnamica (Available online August 2015 ). Preprints ViAsM15.01.
10. **Đoàn Trung Cường and Phạm Hồng Nam**, *Hilbert coefficients and partial Euler–Poincaré characteristics of Koszul complexes of  $d$ -sequences*, Journal of Algebra, Volume 441, 1 November 2015, pp 125–158.
11. **Q.H. Phan, A.T. Duong**, *Liouville-type theorems for a quasilinear elliptic equation of the Hénon-type*, Nonlinear Differential Equations and Applications NoDEA, (Available online 05 August 2015).
12. **Phuong Chi Kieu**, *A theorem on the approximation of plurisubharmonic functions in Lelong classes*, Indagationes Mathematicae, Volume 26, Issue 2, 16 March 2015, pp 445–453. Preprints ViAsM15.02.
13. **Phuong Chi Kieu**, *Local polynomial convexity of graphs of functions in several variables*, Journal of Mathematical Analysis and Applications, Volume 433, Issue 1, 1 January 2016, Pages 473–486. Preprints ViAsM15.08.
14. **Le Cong Trinh**, *Some Positivstellensätze for polynomial matrices*, Positivity, Volume 19, Issue 3, September 2015, pp 513-528. Preprints ViAsM14.23.
15. **J. Y. Abuhlail, S. N. Il'in, Y. Katsov and T. G. Nam**, *On  $V$ -semirings and Semirings All of Whose Cyclic Semimodules Are Injective*, Communications in Algebra (Available online 21 Jul 2015).
16. **N. T. Toan and L. Q. Thuy**, *Second-order necessary optimality conditions for a discrete optimal control problem with mixed constraints*, Journal of Global Optimization (Available online July 2015 ). Preprints ViAsM14.33.
17. **Pham Van Trung**, *Orbits of rotor-router operation and stationary distribution of random walks on directed graphs*, Advances in Applied Mathematics, Volume 70, September 2015, pp 45–53. Preprints ViAsM14.13.
18. **Ngo Dac Tan**, *On vertex disjoint cycles of different lengths in 3-regular digraphs*, Discrete Mathematics, Volume 338, Issue 12, December 2015, pp 2485–2491. Preprints ViAsM14.56.
19. **P. D. Khanh, J.-C. Yao and N. D. Yen** , *The Mordukhovich Subdifferentials and Directions of Descent* , Journal of Optimization Theory and Applications (Available online June 2015 )
20. **Nguyen Tu Cuong, Pham Hung Quy and Hoang Le Truong**, *On the index of reducibility in Noetherian modules*, Volume 219, Issue 10, October 2015, pp 4510–4520 . Preprints ViAsM13.48.
21. **L. X. Chau Ngo, K. A. Nguyen, M. van der Put, and J. Top**, *Equivalence of differential equations of order one*, Volume 71, November–December 2015, pp 47–59 . Preprints ViAsM12.36.



22. **L.V. Hien L.H. Vu, V.N. Phat**, *Improved delay-dependent exponential stability of singular systems with mixed interval time-varying delays*, IET Contr. Theory Appl. vol. 9, 2015, pp 1364-1375.
23. **Ha Huy BANG and Vu Nhat HUY**, *A Study of Behavior of the Sequence of Norm of Primitives of Functions in Orlicz Spaces Depending on Their Spectrum*, TOKYOJ. Math, Vol. 38, No.1, 2015 (Available online March 2015)
24. **P. K. Anh and D.V. Hieu**, *Parallel hybrid methods for variational inequalities, equilibrium problems and common fixed point problems*, Vietnam Journal of Mathematics (Available online March 2015) . Preprints ViAsM14.49.
25. **P. K. Anh and D.V. Hieu**, *Parallel and sequential hybrid methods for a finite family of quasi  $\phi$ - asymptotically nonexpansive mappings*, J. Appl. Math. Comput., Volume 48, Issue 1-2, June 2015, pp 241-263. Preprints ViAsM14.50.
26. **Nguyen Xuan Hong**, *The locally F-approximation property of bounded hyperconvex domains*, Journal of Mathematical Analysis and Applications (Available online 1 April 2015) . Preprints ViAsM15.06.
27. **T. T. H. An, W. Cherry, and J. T.-Y. Wang**, *Supplement and Erratum to “Algebraic degeneracy of non-Archimedean analytic maps” [Indag. Math. (N.S.) 19 (2008) 481–492]*, Indagationes Mathematicae, Volume 26, Issue 2, 16 March 2015, Pages 329–336.
28. **Volker Mehrmann and Do Duc Thuan**, *Stability Analysis of Implicit Difference Equations Under Restricted Perturbations*, SIAM. J. Matrix Anal. & Appl., 36(1), 178–202. (25 pages), Preprints ViAsM13.17.
29. **Kévin Perrot and Trung Van Pham**, *Feedback Arc Set Problem and NP-Hardness of Minimum Recurrent Configuration Problem of Chip-Firing Game on Directed Graphs*, Annals of Combinatorics, February 2015.
30. **Huynh Van Ngai and Phan Nhat Tinh**, *Metric Subregularity of Multifunctions: First and Second Order Infinitesimal Characterizations*, Mathematics of Operations Research, Preprints ViAsM12.12.
31. **Nguyen Sum**, *On the Peterson hit problem*, Advances in Mathematics, Volume 274, 9 April 2015, Pages 432–489, Preprints ViAsM13.25.
32. **Nguyen Van Huan**, *On the complete convergence for sequences of random vectors in Hilbert spaces*, Acta Mathematica Hungarica (Available online June 2015 ), Preprints ViAsM14.25.
33. **Nam-Ky Nguyen and Tung-Dinh Pham**, *Searching for D-Efficient Equivalent-Estimation Second-Order Split-Plot Designs*, Journal of Quality Technology, Vol. 47, No. 1, January 2015, Preprints ViAsM14.19.

# DANH SÁCH TIỀN AN PHẨM

NĂM 2012

1. **N. L. H. Anh P and Q. Khanh**, *Variational Sets of Perturbation Maps and Applications to Sensitivity Analysis for Constrained Vector Optimization*, ViAsM12.01.
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3. **Dao Phuong Bac**, *On some topological properties of relative orbits of subsets*, ViAsM12.14.
4. **Dao Phuong Bac and Nguyen Quoc Thang**, *On the topology of relative and geometric orbits for actions of algebraic groups over complete fields*, ViAsM12.23.
5. **Dao Phuong Bac and Nguyen Quoc Thang**, *On the topology on group cohomology of algebraic groups over complete valued fields*, ViAsM12.24.
6. **Truong Q. Bao and Suwendu R. Pattanaik**, *Necessary Optimality Conditions for  $\epsilon\epsilon$  – Pareto Solutions in Vector Optimization with Empty Interior Ordering Cones*, ViAsM12.17.
7. **Huynh Thị Thanh Binh, Mai Dinh Loi and Nguyen Thị Thuy**, *Improving image segmentation using genetic algorithm*, ViAsM12.08.
8. **Huynh Thị Thanh Binh, Ha Minh Long and Tran Duc Khanh**, *Recombination Operators in Genetic Algorithm – Based, Crawler: Study and Experimental Appraisal*, ViAsM12.10.
9. **Huynh Thị Thanh Binh and Ha Dinh Ly**, *Genetic Algorithm for Solving Multilayer Survivable Optical Network Design Problem*, *International Journal of Machine Learning and Computing*, ViAsM12.22.
10. **Huynh Thị Thanh Binh, Pham Quang Dung and Pham Duy Dat**, *Genetic algorithm for solving the master thesis timetabling problem with multiple objectives.*, ViAsM12.20.
11. **L. X. Chau Ngo, K. A. Nguyen, M. van der Put and J. Top**, *Equivalent differential equations of order one*, ViAsM12.37.
12. **Phan Hoang Chon and Le Minh Ha**, *On May spectral sequence and the algebraic transfer II*, ViAsM12.36.
13. **Doan Trung Cuong**, *Local rings with zero-dimensional formal fibers*, ViAsM12.30.
14. **Anulekha Dhara, Dinh The Luc and Phan Nhat Tinh**, *n second-order conditions for nonsmooth problems with constraints*, ViAsM12.16.
15. **Nguyen Ngoc Dai, Nguyen Quang Thuan, Vu Thi Huong and Nguyen Thanh Hao**, *Optimizing the bus network configuration in Da Nang city*, ViAsM12.32.

16. **Nguyen Dang Ho Hai**, *Division of the Dickson algebra by the Steinberg unstable module*, ViAsM12.39.
17. **Le Tuan Hoa and Le Xuan Dung**, *Dependence of Hilbert coefficients*, ViAsM12.25.
18. **Phan Quoc Khanh and Nguyen Dinh Tuan**, *Second-order optimality conditions will the envelope-like effect in nonsmooth multiobjective mathematical programming I:  $l$  – stability and set-valued directional derivatives*, ViAsM12.02.
19. **Phan Quoc Khanh, Le Minh Luu and Tran Trinh Minh Son**, *Well-posedness of a parametric traffic network problem*, ViAsM12.03.
20. **Pham Duy Khanh**, *A New Extragradient Method for Strongly Pseudomonotone Variational Inequalities*, ViAsM12.07.
21. **Phan Quoc Khanh and Nguyen Hong Quan**, *A Unied Study of Topological Existence Theorems and Applications*, ViAsM12.11.
22. **Phan Quoc Khanh and Nguyen Dinh Tuan**, *Second-order optimality conditions with the envelope-like effect for nonsmooth vector optimization in infinite dimensions*, ViAsM12.04.
23. **Tran Vu Khanh**, *Lower bounds on the kobayashi metric near a point of infinite type*, ViAsM12.34.
24. **Tran Vu Khanh**, *Lower bound for the geomatric type from a generalized estimate in the  $\$ \$$ -Neumann problem – A new approach by peak functions.*, ViAsM12.35.
25. **P. Q. Khanh and L. T. Tung**, *Local Uniqueness of Solutions to Ky Fan Vector Inequalities using Approximations as Derivatives*, ViAsM12.05.
26. **Nguyen Thi Bach Kim, Nguyen Canh Nam and Le Quang Thuy**, *An Outcome Space Algorithm for Minimizing the Product of Two Convex Functions over a Convex Set*, ViAsM12.13.
27. **B. T. Kien and V. H. Nhu**, *Second order necessary conditions for locally optimal solutions of semilinear elliptic control problems with mixed pointwise constraints*, ViAsM12.15.
28. **G. M. Lee, N. N. Tam and N. D. Yen**, *Stability of linear-quadratic minimization over Euclidean balls*, ViAsM12.06.
29. **Dinh The Luc and Soubeyran Antoine**, *ariable preference relations: existence of maximal elements*, ViAsM12.40s.
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